

1129	12	2.2	15	1	AA152130	Human ICAM hammer
1130	12	2.2	15	1	AA16990	HLA sequence 29.
1131	12	2.2	15	1	AA157003	Human Notch3 gene
1132	12	2.2	15	1	AA158221	Tumour antigen ant
1133	12	2.2	15	1	AA159018	PCR primer H-T11A
1134	12	2.2	15	1	AA167276	Human FKBP8 allele
1135	12	2.2	15	1	AA171747	PCR primer #2. Sy
1136	12	2.2	15	1	AA155207	Genomic DNA methyl
1137	12	2.2	15	1	AA155208	Genomic DNA methyl
1138	12	2.2	15	1	AA155211	Genomic DNA methyl
1139	12	2.2	15	1	AA155212	Genomic DNA methyl
1140	12	2.2	15	1	AA155212	Dye-labeled didox
1141	12	2.2	15	1	AA155212	Dye-labeled didox
1142	12	2.2	15	1	AA155212	Dye-labeled didox
1143	12	2.2	15	1	AA155212	Dye-labeled didox
1144	12	2.2	15	1	AA155212	Dye-labeled didox
1145	12	2.2	15	1	AA155212	Dye-labeled didox
1146	12	2.2	15	1	AA155212	Dye-labeled didox
1147	12	2.2	15	1	AA155212	Dye-labeled didox
1148	12	2.2	15	1	AA155212	Dye-labeled didox
1149	12	2.2	15	1	AA155212	Dye-labeled didox
1150	12	2.2	15	1	AA155212	Dye-labeled didox
1151	12	2.2	15	1	AA155212	Dye-labeled didox
1152	12	2.2	15	1	AA155212	Dye-labeled didox
1153	12	2.2	15	1	AA155212	Dye-labeled didox
1154	12	2.2	15	1	AA155212	Dye-labeled didox

# ALIGNMENTS

RESULT 1	
AB200175	AB200175 standard, DNA, 50 BP.
ID	AB200175 standard, DNA, 50 BP.
XX	
AC	AB200175;
XX	
DT	09-JAN-2003 (first entry)
XX	
DE	Human leukocyte gene expression profiling probe SEQ ID NO. 166.
XX	
KM	T7; leukocyte; gene expression profiling; allograft rejection;
KM	atherosclerosis; congestive heart failure; systemic lupus erythematosus;
KM	rheumatoid arthritis; osteoarthritis; cytomegalovirus; infection;
KM	probe; ss.
XX	
OS	Homo sapiens.
XX	
PN	W0200257414-A2.
XX	
PD	25-JUL-2002.
XX	
PF	22-OCT-2001; 2001WO-0547856.
XX	
PR	20-OCT-2000; 2000US-241994P.
PR	08-JUN-2001; 2001US-236764P.
XX	
PA	(BIOC-) BIOCARDIA INC.
XX	
PI	Wohlgenuth J, Fry K, Matcuk G, Altman P, Prentice J, Phillips J;
PI	Ly N, Woodward R, Queternous T, Johnson F;
XX	
DR	WPI; 2002-636525/68.
XX	
PT	New system for leukocyte expression profiling, diagnosing a disease, or
PT	monitoring (the rate of) progression of a disease, e.g. atherosclerosis
PT	or congestive heart failure, comprises diagnostic oligonucleotides
XX	
PS	Claim 1; Page 332; 2038pp; English.
XX	
CC	The invention relates to a system for detecting gene expression, which
CC	comprises one or two isolated DNA molecules that detect expression of a
CC	gene, where the gene corresponds to any of 8143 oligonucleotides
CC	gene, where the gene corresponds to any of 8143 oligonucleotides

CC	(AB200010-AB200152) each having 50 base pairs (bp). The system is useful
CC	for leukocyte expression profiling. It is particularly useful for
CC	diagnosing a disease, monitoring (rate of) progression of a disease,
CC	predicting therapeutic outcome, determining prognosis for a patient,
CC	predicting disease complications in an individual or monitoring response
CC	to treatment in an individual. The diseases include cardiac allograft
CC	rejection, kidney allograft rejection, liver allograft rejection,
CC	atherosclerosis, congestive heart failure, systemic lupus erythematosus,
CC	rheumatoid arthritis, osteoarthritis or cytomegalovirus infection.
XX	
SO	Sequence 50 BP; 11 A; 18 C; 6 G; 15 T; 0 other;
XX	
Query Match	9.3%; Score 50; DB 1; Length 50;
Best Local Similarity	100.0%; Pred. No. 0.00018;
Matches	50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
DB	1385 GCCTTATGACCTGCTCTTCAACACGCTCCCTTCAACTATACCA 1434
DB	1 GCCTTATGACCTGCTCTTCAACACGCTCCCTTCAACTATACCA 50

RESULT 2	
AB204679	AB204679 standard, DNA, 50 BP.
ID	AB204679 standard, DNA, 50 BP.
XX	
AC	AB204679;
XX	
DT	09-JAN-2003 (first entry)
XX	
DE	Human leukocyte gene expression profiling probe SEQ ID NO. 4670.
XX	
KM	T7; leukocyte; gene expression profiling; allograft rejection;
KM	atherosclerosis; congestive heart failure; systemic lupus erythematosus;
KM	rheumatoid arthritis; osteoarthritis; cytomegalovirus; infection;
KM	probe; ss.
XX	
OS	Homo sapiens.
XX	
PN	W0200257414-A2.
XX	
PD	25-JUL-2002.
XX	
PF	22-OCT-2001; 2001WO-0547856.
XX	
PR	20-OCT-2000; 2000US-241994P.
PR	08-JUN-2001; 2001US-236764P.
XX	
PA	(BIOC-) BIOCARDIA INC.
XX	
PI	Wohlgenuth J, Fry K, Matcuk G, Altman P, Prentice J, Phillips J;
PI	Ly N, Woodward R, Queternous T, Johnson F;
XX	
DR	WPI; 2002-636525/68.
XX	
PT	New system for leukocyte expression profiling, diagnosing a disease, or
PT	monitoring (the rate of) progression of a disease, e.g. atherosclerosis
PT	or congestive heart failure, comprises diagnostic oligonucleotides
XX	
PS	Claim 1; Page 477; 2038pp; English.
XX	
CC	The invention relates to a system for detecting gene expression, which
CC	comprises one or two isolated DNA molecules that detect expression of a
CC	gene, where the gene corresponds to any of 8143 oligonucleotides
CC	(AB200010-AB200152) each having 50 base pairs (bp). The system is useful
CC	for leukocyte expression profiling. It is particularly useful for
CC	diagnosing a disease, monitoring (rate of) progression of a disease,
CC	predicting therapeutic outcome, determining prognosis for a patient,
CC	predicting disease complications in an individual or monitoring response
CC	to treatment in an individual. The diseases include cardiac allograft
CC	rejection, kidney allograft rejection, liver allograft rejection,
CC	atherosclerosis, congestive heart failure, systemic lupus erythematosus,
CC	rheumatoid arthritis, osteoarthritis or cytomegalovirus infection.

AT-ACHMAM7

Copy

SQ Sequence 50 BP; 13 A; 17 C; 5 G; 15 T; 0 other;

Query Match 9.3%; Score 50; DB 1; Length 50;  
Best Local Similarity 100.0%; Pred. No. 0.00018;  
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1404 TTCTAACAGTCGCTTCACTGATATCAACATCTGATCGTCATT 1453  
1 TTCTAACAGTCGCTTCACTGATATCAACATCTGATCGTCATT 50

RESULT 3

AAH88905  
ID AAH88905 standard; DNA; 21 BP.

AC AAH88905;

DT 27-FEB-2002 (first entry)

DE Human polymorphic oligonucleotide AC003693 fragment #1.

XX Human; single nucleotide polymorphic; SNP; forensic science;

KM paternity testing; phenotypic trait; genetic mapping; animal breeding;

XX Plant breeding; ds.

OS Homo sapiens.

XX Key Location/Qualifiers

FT Variation replace(11,g) /tag= a /standard\_name= "single nucleotide polymorphism"

PN WO200134840-A2.

PD 17-MAY-2001.

PF 10-NOV-2000; 2000WO-US30766.

PR 10-NOV-1999; 99US-0164596.

PA (GLAXO) GLAXO GROUP LTD.

PA (AFRY-) AFRYMETRIX INC.

PI Au K, Chen J, Patil N, Thomas D;

DR WPI; 2001-335945/35.

XX New polymorphic sites derived from the human genome are useful to

PT determine sites correlating with phenotypic traits, particularly

PT disease, and also in forensics and paternity testing -

XX Claim 37; Page 9; 43pp; English.

CC The present invention relates to human oligonucleotides comprising a

CC single nucleotide polymorphic site (SNP: AAH88797-AAH89219). The present

CC sequence is one such oligonucleotide. The oligonucleotides can be used in

CC forensics, paternity testing, correlation of polymorphisms with

CC phenotypic traits, genetic mapping of phenotypic traits and marker

CC assisted breeding of animals and crop plants.

SQ Sequence 21 BP; 4 A; 8 C; 5 G; 4 T; 0 other;

RESULT 4

AAH88906

ID AAH88906 standard; DNA; 21 BP.

XX AAH88906;

DT 27-FEB-2002 (first entry)

DE Human polymorphic oligonucleotide AC003693 fragment #2.

XX Human; single nucleotide polymorphic; SNP; forensic science;

KM paternity testing; phenotypic trait; genetic mapping; animal breeding;

XX Plant breeding; ds.

OS Homo sapiens.

XX Key Location/Qualifiers

FT Variation replace(11,t) /tag= a /standard\_name= "single nucleotide polymorphism"

PN WO200134840-A2.

PD 17-MAY-2001.

PF 10-NOV-2000; 2000WO-US30766.

PR 10-NOV-1999; 99US-0164596.

PA (GLAXO) GLAXO GROUP LTD.

PA (AFRY-) AFRYMETRIX INC.

PI Au K, Chen J, Patil N, Thomas D;

DR WPI; 2001-335945/35.

XX New polymorphic sites derived from the human genome are useful to

PT determine sites correlating with phenotypic traits, particularly

PT disease, and also in forensics and paternity testing -

XX Claim 37; Page 9; 43pp; English.

CC The present invention relates to human oligonucleotides comprising a

CC single nucleotide polymorphic site (SNP: AAH88797-AAH89219). The present

CC sequence is one such oligonucleotide. The oligonucleotides can be used in

CC forensics, paternity testing, correlation of polymorphisms with

CC phenotypic traits, genetic mapping of phenotypic traits and marker

CC assisted breeding of animals and crop plants.

SQ Sequence 21 BP; 5 A; 5 C; 3 G; 8 T; 0 other;

Query Match 3.9%; Score 21; DB 1; Length 21;

Best Local Similarity 100.0%; Pred. No. 28;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1036 ATACGTTCCGATTAATCTC 1056

1 ATACGTTCCGATTAATCTC 21

RESULT 5

AAH88905

AAH88905

AAH88905



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XX RESULT 8
XX AAQ49436/c
XX ID AAQ49436 standard; cDNA; 20 BP.
XX
XX AAQ49436;
XX
XX 25-MAR-2003 (updated)
XX 27-APR-1994 (first entry)
XX
XX Cytochrome P450 sequence amplification PCR primer polyT.
XX
XX Transgenic plants; altered petal colour;
XX polymerase chain reaction; ss.
XX
XX Synthetic.
XX
XX WO9320206-A1.
XX
XX 14-OCT-1993.
XX
XX 25-MAR-1993; 93WO-AU00127.
XX
XX 27-MAR-1992; 92AU-0001538.
XX 07-JAN-1993; 93AU-0006698.
XX
XX (ITFL-) INT FLOWER DEV PTY LTD.
XX
XX Cornish EC, Holton TA, Tanaka Y;
XX
XX WPI; 1993-336914/42.
XX
XX Nucleic acid isolate encoding flavonoid-3'-hydroxylase - is used to
XX create transgenic plants with altered petal colour
XX
XX Disclosure; Page 25; 86pp; English.
XX
XX The sequence is that of a PCR primer which was used in polymerase
XX chain reactions for the amplification of cloned cytochrome P450
XX sequences.
XX (Updated on 25-MAR-2003 to correct PN field.)
XX
XX Sequence 20 BP; 1 A; 1 C; 1 G; 17 T; 0 other;
XX
XX Query Match 3.5%; Score 19; DB 1; Length 20;
XX Best Local Similarity 100.0%; Pred. No. 66;
XX Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX 1478 GCTAAAAAAAAAAAAAAAAA 1496
XX
XX Db 20 GCTAAAAAAAAAAAAAAAAA 2
XX
XX RESULT 9
XX AAQ75578/c
XX ID AAQ75578 standard; DNA; 20 BP.
XX
XX AAQ75578;
XX
XX 04-AUG-1995 (first entry)
XX
XX Reverse transcription primer used in cDNA analysis technique.
XX
XX Analysis; gene expression; reverse transcription; primer; cDNA;
XX aggregate; restriction enzyme; ss.
XX
XX Synthetic.
XX
XX JP06303997-A.
XX
XX 01-NOV-1994.
XX
XX 16-APR-1993; 93JP-0112515.
XX
XX 16-APR-1993; 93JP-0112515.
XX

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XX 16-APR-1993; 93JP-0112515.
XX
XX (NITE ) NIPPON TELEGRAPH & TELEPHONE CORP.
XX
XX WPI; 1995-018287/03.
XX
XX Analysis of cDNA and gene expression - by amplification of mRNA
XX followed by digestion with restriction enzymes
XX
XX Disclosure; Page 5; 11pp; Japanese.
XX
XX A method for the analysis of cDNA comprises (a) preparing an
XX aggregate of double-stranded cDNAs by using an aggregate of mRNAs
XX and a plural type of labelled reverse transcription primers
XX (GENSEQ files AAQ75547-Q75798) and using the aggregate of mRNAs as the
XX template for each reverse transcription primer; (b) digesting each of
XX the prepared aggregates of the double-stranded cDNAs with restriction
XX enzyme and; (c) electrophoresing the digested aggregate of cDNAs in
XX separate lanes. The method can be used to analyse gene expression
XX rapidly and easily.
XX
XX Sequence 20 BP; 1 A; 1 C; 1 G; 17 T; 0 other;
XX
XX Query Match 3.5%; Score 19; DB 1; Length 20;
XX Best Local Similarity 100.0%; Pred. No. 66;
XX Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX 1478 GCTAAAAAAAAAAAAAAAAA 1496
XX
XX Db 20 GCTAAAAAAAAAAAAAAAAA 2
XX
XX RESULT 10
XX AAQ75715/c
XX ID AAQ75715 standard; DNA; 21 BP.
XX
XX AAQ75715;
XX
XX 04-AUG-1995 (first entry)
XX
XX Reverse transcription primer used in cDNA analysis technique.
XX
XX Analysis; gene expression; reverse transcription; primer; cDNA;
XX aggregate; restriction enzyme; ss.
XX
XX Synthetic.
XX
XX JP06303997-A.
XX
XX 01-NOV-1994.
XX
XX 16-APR-1993; 93JP-0112515.
XX
XX 16-APR-1993; 93JP-0112515.
XX
XX (NITE ) NIPPON TELEGRAPH & TELEPHONE CORP.
XX
XX WPI; 1995-018287/03.
XX
XX Analysis of cDNA and gene expression - by amplification of mRNA
XX followed by digestion with restriction enzymes
XX
XX Disclosure; Page 8; 11pp; Japanese.
XX
XX A method for the analysis of cDNA comprises (a) preparing an
XX aggregate of double-stranded cDNAs by using an aggregate of mRNAs
XX and a plural type of labelled reverse transcription primers
XX (GENSEQ files AAQ75547-Q75798) and using the aggregate of mRNAs as the
XX template for each reverse transcription primer; (b) digesting each of
XX the prepared aggregates of the double-stranded cDNAs with restriction
XX enzyme and; (c) electrophoresing the digested aggregate of cDNAs in
XX separate lanes. The method can be used to analyse gene expression
XX rapidly and easily.
XX

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